



Approval # 20040001
(Renewal for 980081-U)

Environmental & Regulatory Services Division
Bureau of Petroleum Products and Tanks
201 West Washington Avenue
P.O. Box 7837
Madison, WI 53707-7837

Wisconsin COMM 10 Material Approval

Equipment: Secondary Fuel Containment Vessel and
Canopy System

Manufacturer: Berg Equipment Corporation
P.O. Box 507
Marshfield, WI 54449

Expiration of Approval: December 31, 2009

SCOPE OF EVALUATION

The Secondary Fuel Containment Vessel and Canopy System manufactured by Berg Equipment Corporation has been evaluated as a secondary containment system for aboveground tanks in accordance with **s. Comm 10.345 (1)** and as an aboveground tank enclosure in accordance with **s. Comm 10.415 (5)**.

DESCRIPTION AND USE

The secondary containment vessels are made of 10 gauge mild steel fabricated with continuous arc welds and finished with a high gloss acrylic enamel. 3/16-inch thick steel skids are welded on the bottom for additional strength and ease of placement. 3/16-inch thick steel pedestals are welded inside to allow one foot of clearance between the tank bottom and the vessel. A self-closing, lockable drain valve is provided to allow the drainage of rainwater.

Vessels are configured to accommodate 300, 550 and 1000 gallon tanks with either 12-inch or 24-inch clearances between the tank and the sides of the vessel. Capacities for the vessels are 125% of the tank capacities.

Pipe sockets can be attached to the sides of the vessels to allow for the attachment of a minimum 6-foot high galvanized security fence and/or a weather resistant vinyl laminate canopy. A lockable gate latch is provided with the security fence. The fire-resistant vinyl laminate canopy is supported on steel tube arches.

TESTS AND RESULTS

The vinyl laminate fabric used in the canopy is certified in accordance with the small scale requirements of Title 19 of the California Administrative Code, promulgated by the California State Fire Marshal. The test method is similar to NFPA 701, "Flame Resistant Textiles and Films."

LIMITATIONS / CONDITIONS OF APPROVAL

- The canopy system is approved as meeting the intent of the noncombustible materials requirement under **s. Comm 10.415 (5) (b)**.
- In accordance with **s. Comm 10.345 (1)(a)**, the secondary containment vessel shall have a capacity 25 percent larger than the tank it contains. A means to remove accumulated water shall be provided.
- The tank shall be elevated no more than 12 inches above the floor of the secondary containment vessel and have at least 6 inches of clearance on all sides to allow for visual inspection.
- For snowmobile or all-terrain vehicle (ATV) fueling only, a reduced dispenser to tank setback is allowed.
- An aboveground storage tank installer certified by the department in accordance with **Comm 5.84** shall supervise the installation.
- For commercial sites, vehicle collision protection shall be provided in accordance with **s. Comm 10.415 (8) (a)**. For farm and construction site use only, the vehicle collision protection is waived in accordance with **s. Comm 10.455 (2) (c)**.

Unusual or heavy traffic patterns may require additional visual warning or collision protection.

- The system shall allow sufficient height above the tank to allow for safe and efficient filling of the tank.
- The tank owner shall maintain the warning label required for the tank under **s. Comm 10.35** so that it is clearly visible from the outside of the canopy.

This approval will be valid through December 31, 2009, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Material Approval Number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The Department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement unless specified in this document.

Reviewed by: _____

Greg Bareta, P. E.
Engineering Consultant
Bureau of Petroleum Products and Tanks

Approved by: _____ Date: _____